

Reg. No.:.....

**First Year MHA Degree Regular/Supplementary Examinations  
November 2021**

**Paper VII – Basic Medical Sciences & Epidemiology  
(2013 Scheme)**

**Time: 3 Hours**

**Max Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write Section A and Section B in separate answer books (32 Pages). Do not mix up questions from section A and section B*

**QP Code:130380**

**Section A – Basic Medical Sciences**

**50**

**Essay:**

**(20)**

1. Describe functional anatomy of cardio-vascular system. Add a note on ECG

**Short Essay:**

**(10)**

2. Describe the anatomy of nephron with physiology of filtration and secretion

**Short notes:**

**(4x5=20)**

3. Tidal volume and spirometry
4. Bacteriological testing of water purity.
5. Describe stomach and its functional importance
6. Plasmodium species.

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**QP Code:131380**

**Section B – Epidemiology**

**50**

**Essay:**

**(20)**

1. Describe the epidemiology of hepatitis B. Discuss on immunization prophylaxis for healthcare professionals (Hepatitis A & B)

**Short Essay:**

**(10)**

2. Discuss on case control studies – their method of conducting and uses

**Short notes:**

**(4x5=20)**

3. Tetanus – symptoms and immunization schedule.
4. Epidemiology and prevention of scabies
5. Relative risk and attributable risk.
6. Prophylaxis for tetanus for a child and pregnant mother.

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